

## MCF 3M Opener

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Dec 19-7:35 AM

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$$A = P(1+i)^n$$

$$A = 5000$$

$$P =$$

$$i = 0.04 \div 4 = 0.01$$

$$n = 5 \times 4 = 20$$

$$5000 = P(1.01)^{20} - 4098.36$$

$$5000 = P(1.22) \quad 901.64$$

$$P = \frac{5000}{1.22} = 4098.36$$

Dec 19-7:35 AM

## Dollar Cost Averaging

playing the stock market's ups and downs  
- regular investments

$$60000 - 24000 \text{ income tax}$$

$$36000 - \text{net income}$$

Taxed at 40%

RRSPs - How they work

$$60000 - 9000 = 51000$$

$$9000 \times 0.40 = 3600$$

Tax Refund

May 13-9:36 AM

Josh invests \$100 every month for 2 years. If his investment earns 3%/a compounded monthly, how much will he have saved after two years. How much of the principal will be interest?

$$A = \frac{R[(1+i)^n - 1]}{i}$$

$$A = \frac{100[(1+0.0025)^{24} - 1]}{0.0025}$$

$$= \frac{100[1.061757044 - 1]}{0.0025}$$

$$= \frac{100[0.061757044]}{0.0025}$$

$$= \frac{6.1757044}{0.0025}$$

$$= 2470.28$$

$$I = A - R(n)$$

$$I = 2470.28 - 100(24)$$

$$I = 70.28$$

Jun 3-1:52 PM

Jenn decides to save \$85 per month for the next year. If her investment earns 4% compounded monthly, how much will she save by the end of the year?

$$A = \frac{R[(1+i)^n - 1]}{i}$$

$$A = \frac{85[(1+0.0033)^{12} - 1]}{0.0033}$$

$$A = \frac{85[(1.0033)^{12} - 1]}{0.0033}$$

$$A = \frac{85(0.0365999) - 1}{0.0033}$$

$$A = \frac{35(0.0365999)}{0.0033}$$

$$A = 1037.00$$

May 13-10:13 AM

Cody is a financial wizard from birth. He decides to set aside \$50 of his child tax credit each month until he is 18. How much will his college fund earn at 6.8%/a compounded monthly?

$$A = \frac{R[(1+i)^n - 1]}{i}$$

$$A = \frac{50[(1+0.0056667)^{216} - 1]}{0.0056667}$$

$$A = \frac{50(3.38903441 - 1)}{0.0056667}$$

$$A = 21079.71$$

He will have \$21,079.71 for his college fund when he is 18.

May 13-10:26 AM

Please Complete p 498-500  
q. 2, 3, 6, 8, 11

Jan 11-3:38 PM

Please Complete p 498-500  
q. 2, 3, 6, 8, 11

Geoff

43600

$$A = P_0(1+i)^n$$

$$= 3600(1+0.015)^{12}$$

$$= 3600(1.015)^{12}$$

$$= 3600(1.195618)$$

$$= 4304.23$$

Marilyn

$$A = \frac{R[(1+i)^n - 1]}{i}$$

$$= \frac{300[(1+0.015)^{12} - 1]}{0.015}$$

$$= \frac{300[1.195618 - 1]}{0.015}$$

$$= \frac{300[0.195618]}{0.015}$$

$$= \frac{58.685451}{0.015}$$

$$= 3912.36$$

Jan 11-3:38 PM